



(12) **United States Patent**  
**Williams**

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- (54) **TERMINATION ASSEMBLY FOR DISPOSAL  
BETWEEN A MARINE TOW CABLE AND AN  
ACOUSTIC RECEIVER ARRAY**

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(57) **ABSTRACT**

A termination assembly for disposal between a marine tow cable and an acoustic receiver array includes a cable sleeve having a grip portion adapted to grip a cable outer jacket, and a collar portion for disposition on a strength member portion of the cable. The termination assembly further includes a coupling comprising an inner sleeve for mounting on a coax portion of the cable, an electrical connector for abutting a distal end of the coax portion, a coupling body interconnecting the inner sleeve and the electrical connector, the coupling body having a cylindrically-shaped wall disposed around the electrical connector to define therebetween an annular recess for receiving a connector of the acoustic receiver array, a coupling nut mounted on the coupling body and engageable with the acoustic receiver array connector to lock the acoustic receiver array connector onto the electrical connector, and an outer sleeve fixed to the coupling body. The termination assembly still further includes a stiffener rod interconnecting the outer sleeve and the cable sleeve.

- (21) Appl. No.: 08/599,390

- (22) Filed: Dec. 8, 1995

- (51) Int. Cl.<sup>7</sup> ..... G01V 1/38

- (52) U.S. Cl. .... 367/106; 367/130; 174/47;  
174/101.5

- (58) Field of Search ..... 367/15, 20, 106,  
367/130; 174/19, 47, 101.5, 74 R

- (56)
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**6 Claims, 2 Drawing Sheets**

